

**Ulead®** **VERSION 7.0**  
**PHOTO EXPLORER**  
**USER GUIDE**

Second English edition for Ulead Photo Explorer version 7.0, Sept. 2002

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Registered users are entitled to Ulead technical support. Our Web site has valuable up-to-date information about Photo Explorer, other Ulead products, and free downloads. Visit our Web site at **www.ulead.com**, or send us e-mail at **support@ulead.com.tw**.

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# Welcome to Ulead® Photo Explorer

Ulead Photo Explorer makes digital photography fun on the PC. Get images from a digital camera, memory card reader or scanner into your computer in a snap. Browse files visually on-screen and easily organize them. Print greeting cards using your images or create your own photo prints in a variety of sizes and layouts. You can also capture video directly in Photo Explorer as well as create instant Web pages.

## What's new in this version

Photo Explorer offers many enhanced features that make file browsing, image transfer from digital cameras, image editing, sending files by e-mail, as well as creation of projects for the Web more intuitive. Video capture is also a whole new feature.

Specifically, Photo Explorer provides these new and improved features:

### #1 Enhanced Browser interface.

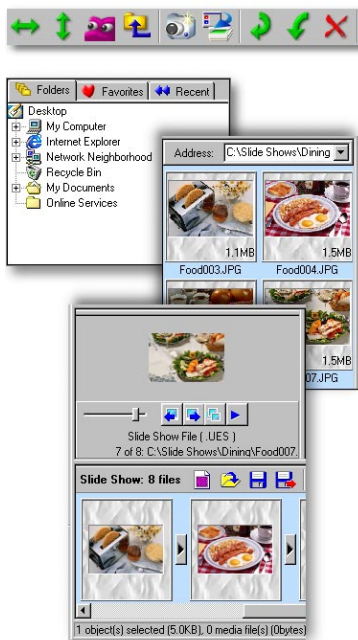
Photo Explorer's Browser is easier to use, allowing you to access files and folders quicker and with greater convenience:

**Toolbar** -- Customize toolbar with small or large icons.

**Folder views** -- Click on tabs to instantly switch between Folder, Favorites and Recent folder views.

**Browse Pane** -- Show file details with thumbnails. Use thumbnail data embedded in JPEG (Exif) images to enhance browsing speed.

**Preview Pane** -- View multimedia files as well as slide show content. Also display folder icons.



## #2 More print layouts.

**Cards** -- Print half fold or quarter fold greeting cards using your images.

**More photo sizes and special layouts** -- Print images in large 8" sizes or in small 2" wallet sizes. Also print a combination of different image sizes on the same page.



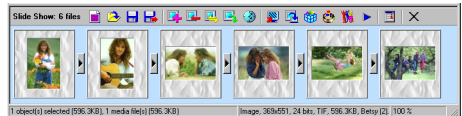
## #3 Standalone Viewer.

**Ulead Instant Viewer** -- Compare two or more full-size images by displaying them in separate windows. Associate image file types with Ulead Instant Viewer.



## #4 Improved slide show.

**Image, video and sound files** -- Bring together images, videos and audio files to form a slide show. Set a uniform timing or varying time settings for displaying images. Use the slide show as screen saver.



## #5 New video features.

**Capture, trimming and conversion** -- Capture video clips and still images, trim video files as well as convert between different video file formats.

## #6 More features for organizing files, imaging and the Web.

**Improved file management** -- Add text descriptions to images. Search images by file name, description or file creation date. Rearrange images and renumber their file names by drag-and-drop.

**Improved digital camera features** -- Digital Camera Wizard supports direct cable connection to Kodak cameras. Also, a flash memory card reader connected to the computer can automatically be located.

**Enhanced image adjustments** -- Apply adjustments to multiple images.

**Enhanced Internet tools** -- Order photo prints on the Web. Choose more layout styles when creating Web thumbnails and Web slide shows.

## System requirements

Before installing Photo Explorer, make sure your computer meets these requirements:

- Intel® Pentium® processors (or 100% compatible processors)
- Microsoft Windows® 95/98, NT 4.0, 2000 or higher
- 32 MB RAM (or more)
- 17.8 MB available hard drive space for program files
- True Color or HiColor display adapter and monitor (recommended)
- 800 X 600 minimum display resolution
- Windows compatible pointing device
- Microsoft Internet Explorer 4.0 or higher
- Internet connection (recommended)
- 16-bit or better sound card and speakers (recommended)
- DirectX 6.0 or higher (for video functions only)

## Installing and running the program

Installing Photo Explorer is easy. Simply follow the on-screen instructions to complete the installation.

To start the program, click the Photo Explorer icon from  the Ulead Photo Explorer program group on the Windows Start menu.



Press **F1** to access the online help and learn more about Photo Explorer.

## Free photo sharing account at iMira

The first time Photo Explorer starts, the **Sign-up for Ulead's iMira** dialog box opens allowing you to sign up for a free photo sharing account at **iMira.com**. iMira.com is Ulead's photo sharing Web site where you can upload your favorite images to share with family, friends or co-workers and order photo prints. Refer to the sections, "Sharing images on iMira.com" and "Ordering photo prints online", for details (see page 34 to 35).

# Photo Explorer at a glance

Photo Explorer combines tools for acquiring, viewing, organizing, adjusting, and sharing images with video features in a single easy-to-use interface. It has a **Browser** that lets you browse, preview and manage the files and folders in your computer, and a **Viewer** which gives full-size view of images.

## The Browser

Just like Windows Explorer, Photo Explorer's **Browser** shows the hierarchy of drives and folders in your computer at the left hand side and displays the files in a selected folder at the right. What's special about Photo Explorer's Browser is that multimedia files can be shown as visual thumbnails for easier identification. Simply click a desired file to immediately get an idea of the file's contents. You can preview images and actually play sound, video or even GIF animation files without actually opening them. Basic image editing functions are also available for enhancing images. In addition, you can bring together images, videos and sounds to create a slide show.

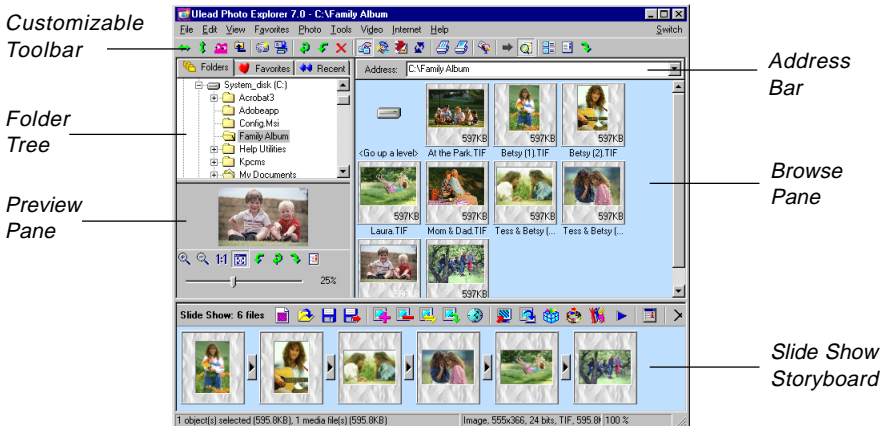
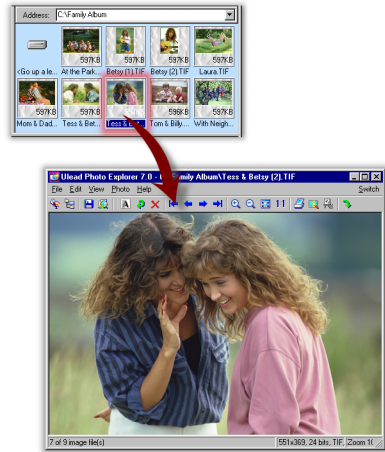


Photo Explorer's Browser gives you different folder views. In the **Folder Tree**, you can switch to the **Favorites list** to create a collection of frequently visited folders. The Browser also keeps track of **Recent folders** you accessed and lets you return to them quickly.

## The Viewer

Photo Explorer has a **built-in Viewer** integrated with the Browser. You can use the built-in Viewer to:

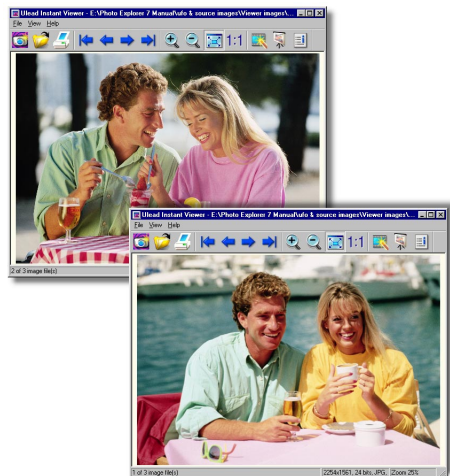
- Get a full-size or full-screen view of images.
- Navigate through images using the keyboard, toolbar buttons, or menu commands, or let Viewer automatically step through the images.
- Copy, rename or delete an image file.
- Copy an image for pasting onto your desired image editor.
- Rotate, flip and edit images, and then save the changes.
- Create wallpapers and screen savers using your images.



*Photo Explorer's built-in Viewer*

A standalone image viewer, the **Ulead Instant Viewer**, also comes with Photo Explorer. It is a simpler, independent application and its sole purpose is only for displaying images. Use Ulead Instant Viewer when you want to compare two or more full-size images. Each image will be opened in a separate window. You can also associate file types like JPG, GIF and BMP image files so that they will automatically display in the Ulead Instant Viewer.

**Note:** Refer to the section, "Viewing images", on page 20 for more information on these two different types of Viewer.



*Ulead Instant Viewer windows*



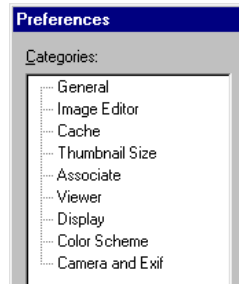
# Customizing Photo Explorer

When using any application, it is important for you to set up a work environment that's comfortable and convenient for you. Photo Explorer provides many options that can change the look and feel of what's on-screen to suit your needs. You can also make Photo Explorer as your default image viewer and editor, or configure other programs to open and edit your images.

## Setting up your work environment

### File: Preferences

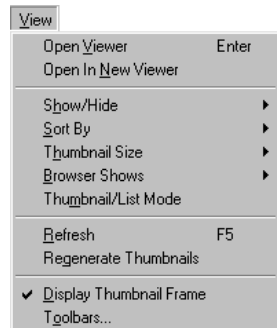
The **Preferences** command in the File menu allows you to define settings specific to Photo Explorer. The Preferences dialog box lists different categories which determine the behavior of Photo Explorer, its overall appearance, and the way thumbnails and images are presented. Settings specific to your digital camera can also be configured to ensure accuracy in the information that is acquired from your camera. Click a **category** to view and change its settings in the Preferences dialog box.



If you often do only simple edits with your images, Photo Explorer can be an ideal image editor. To make Photo Explorer your default image viewer and editor, select the **Associate** category in the Preferences dialog box and select the image file formats that you want to automatically open in Photo Explorer.

### View menu

The **View** menu provides commands that determine the layout of Photo Explorer as well as thumbnail display settings. You can also access the Viewer from this menu. Use the available commands to change the way files are displayed and organized so that you can quickly identify your files, or open up the Viewer to display your images.



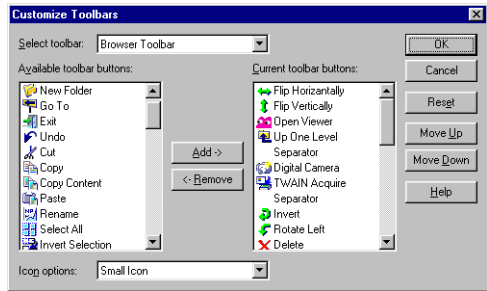
## Customizing toolbars

For quicker access to your favorite Photo Explorer commands, you can add them as buttons on the Browser and Viewer toolbars and even arrange their order.

Take note that the toolbar in Photo Explorer's built-in Viewer is customizable. As for the Ulead Instant Viewer, toolbar buttons are fixed and cannot be changed.


### To add toolbar buttons:


1. Select **File: Customize Toolbars**.
2. From the **Select toolbar** drop-down list, choose a toolbar.
3. In the **Current toolbar buttons** list, click the button before which the new button will be inserted.
4. In the **Available toolbar buttons** list, select a new button to add.
5. Click **Add** to include the new button to the selected toolbar.
6. Select the button size you want from the **Icon options** list. Select **Small Icon** if you have set your computer display at a low display mode, for instance 800 x 600 or lower, and toolbar buttons do not completely fit in the Photo Explorer window.




Customize Toolbars dialog box

### Notes:

 To change the order of toolbar buttons, select a button in the **Current toolbar buttons** list and click the **Move Up** or **Move Down** button.

 To remove a button, select the button in the **Current toolbar buttons** list and click **Remove**.

 Click **Reset** to change the selected toolbar back to its default form.

## Tips

- ❑ Commonly used commands are also easily accessed from right-click pop-up menus. When adding buttons to the toolbar, you can consider adding only those that are not listed in right-click menus.
- ❑ To display toolbar buttons with clear label descriptions, click **View: Toolbars** and select the **Text label** option.

# Browsing and managing files

With the convenience of thumbnails and the familiar Windows Explorer functionality, Photo Explorer makes it simple and easy to work with multimedia files.

## Displaying files in thumbnail or list view

When you select a folder from the Folder Tree, multimedia files are displayed as visual **thumbnails** in the **Browse Pane** on the right hand side of the Photo Explorer window. A thumbnail is a small replica of the original image file or an icon representing a specific type of file. For videos and GIF animation files, the first image in that file is used as the thumbnail.

If you want to view detailed information of your files, change to **list viewing mode**. Select **View: Thumbnail/List Mode** to switch between thumbnail and list viewing modes.



*Sample thumbnails*

**Tip**

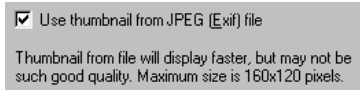
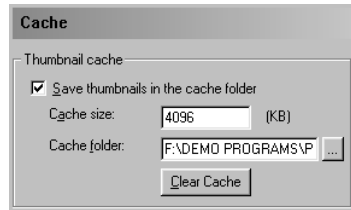
Choose which information you want to display with thumbnails by selecting **File: Preferences - General**. Display options are listed under the **Browse pane display options** group in the Preferences dialog box.

## Speeding up thumbnail display

If you have a large number of multimedia files in a folder, it may take Photo Explorer some time to generate thumbnails for the files and display them on-screen. Instead of regenerating thumbnails each time the same files are accessed, Photo Explorer stores them in a cache folder. The next time you access your files, Photo Explorer simply loads the thumbnails.

The size of the cache folder is defined in the Preferences dialog box under the **Cache** category. Increase the **Cache size** if you want to allot more disk space for thumbnail files. To delete thumbnail files and recover disk space, click the **Clear Cache** button.

Since many digital cameras can now automatically create thumbnails when taking photos, you can customize Photo Explorer to just get the thumbnails from the JPEG (Exif) image files instead of generating them. For such images, select the **Use thumbnail from JPEG (Exif) file** option in the Preferences dialog box under the **Camera and Exif** category. This will give a considerable improvement in thumbnail display speed. However, thumbnails created by cameras are fixed in size (160x120) and cannot be further enlarged. Also, the display quality of the thumbnails may not be as good.





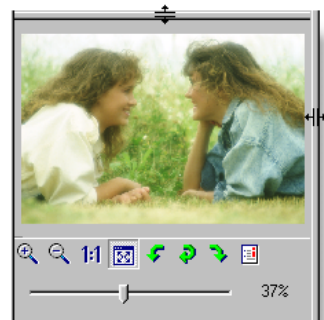
**Note:** When Photo Explorer 7.0 rotates an image, it adds information to the JPEG file to indicate the correct thumbnail rotation. However, if you have previously rotated images using the earlier Photo Explorer 6.0 version, you may see a mismatch between the rotation of the image and that of the thumbnail. In this case, select **View: Regenerate Thumbnails** to recreate thumbnails.

## Previewing files

When you select a file in Photo Explorer, a preview of the file contents immediately appears in the **Preview Pane**. To change the viewing size, drag the borders of the Preview Pane.

### Notes:

-  *Animated GIFs can only be viewed in their original size.*
-  *The buttons in the Preview Pane varies, depending on the type of file being viewed.*



Preview Pane

The types of files you can preview include:

- **Image files** -- Zoom in to get a larger preview, or zoom out to see a more complete view of the image.
- **JPEG files with Exif format** -- Many new digital cameras can store extra information (such as the date when a photo was taken and camera settings) and even include audio. You can view such JPEG images in the Preview Pane, access the embedded Exif information and play audio attachments.
- **Audio and Video files** -- Play back sound and video, and easily move backward or forward within a media file.
- **UES files** -- These are slide show projects created in Photo Explorer. Preview a slide show or open its project file in the Slide Show Storyboard for editing.

**Note:** For other file types, select the file and click the **Open** button in the Preview Pane. The file will be opened in its associated program. You can also open folders from the Preview Pane.

## Browsing for files

If you have a lot of files or a complex folder structure in your computer, finding the file that you want can be a tedious task. It may take you some time to locate a file, especially if you click each folder and inspect what's inside in each.

Photo Explorer's powerful browsing features give you quick results for locating the file that you want. Here are some helpful tips on browsing for files and folders in Photo Explorer:

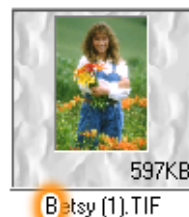
- **Jump directly to a file or folder:**

Press the letter (or number) which the file or folder name begins with. If the file/folder selected is not the one that you want, press the same key to go to the next file/folder.

- **Move back and forward through folders:**

Add the **Back** and **Forward** buttons to the Browser toolbar. These buttons are just like the ones in Web browsers, except that in Photo Explorer, you use them to browse through visited folders. Select **File:**

**Customize Toolbars** to add these buttons.



- **Create a collection of folders you frequently visit:**

For quicker access to frequently used folders, select **Favorites: Add to Favorites** to add them to the Favorites List. (Or, simply drag folders to the list.)

- **Arrange files in the order that best suits your browsing needs:**

Select **View: Sort By** and choose a sorting order for your files. To sort images from a digital camera by order of the date they were taken, select **Tools: Arrange by Date Taken**.

Name	Ctrl+1
Type	Ctrl+2
Size	Ctrl+3
• Date	Ctrl+4
Number	Ctrl+5
✓ Ascending Order	

**Note:** **View: Sort By - Date** arranges files based on the date they were saved in the computer. To sort images from a digital camera by order of the date they were taken, select **Tools: Arrange by Date Taken**.

## Managing multimedia files

Manage your files in Photo Explorer just as you do in Windows Explorer. You can copy, paste, delete, rename, search for files, and perform other file operations using simple drag-and-drop, point-and-click, or by selecting commands in the **Edit** menu. In addition, here are special ways of handling images and multimedia files in Photo Explorer:

- Double-click an image file in the **Browse Pane** (or click one of the **View: Open** commands) to display the image in full size in the **Viewer** window.
- Select **Edit: Copy Image Content** to copy the actual contents of an image file. You can then paste the image to your image editor.
- Select **Edit: Describe Image** to enter text describing an image.
- Select **Edit: Find** to search for files based on file name, description or date (date of file creation or date images were taken with a digital camera).
- Use the **Photo** menu commands to enhance images.
- Select one of the **Edit in** commands in the **Photo** menu to open an image file in your desired image editor and do more advanced image editing.
- Right-click any part of the Photo Explorer Browser to open a pop-up menu and access commonly used commands. The available commands depend on where you right-click your mouse.

**Notes:**



You can also right-click and drag selected files to another folder. A pop-up menu lets you select whether to copy or move the files.



Select **Edit: Undo Last Delete** to recover the previously deleted file, or select **Edit: Redo Last Delete** to delete again the previously selected file. (Other file operations cannot be undone or redone.)

Move Here

Copy Here

Cancel

## Creating a list of favorite folders

If your files are organized into many folders, you may not be able to remember all their locations. For easier access to frequently visited folders, you can add them to the **Favorites list** and then quickly recall them.

### To add a folder to the Favorites list:

1. Select a folder in the **Folder Tree**.
2. Select **Favorites: Add to Favorites**. (Or, right-click the folder and select **Add to Favorites**.)
3. Type in a name that easily relates to the contents of the selected folder.

### Tip

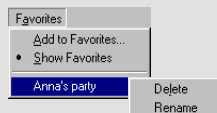
A faster way of adding favorite folders is by drag-and-drop. While in Folder Tree view, select and drag a folder to the **Favorites** tab. Then, drop the folder to the Favorites list.

### To access a favorite folder:

- Click the **Favorite** tab in the Folder Tree,
- Select **Favorites: Show Favorites** (or, right-click an area on the Folder Tree and select **Show Favorites**),
- Or, choose a favorite folder directly from the Favorites menu.



**Note:** When you use Photo Explorer in Windows 98 or Windows 2000, you will be able to right-click a favorite folder in the Favorites menu. A pop-up menu then appears, allowing you to remove the selected favorite folder from the Favorites list or rename it.



# Working with cameras and scanners

Images can come from different sources. With Photo Explorer, photos that were taken with a digital camera can be transferred to your PC. If you have a scanner device, you can also transform photo prints or documents into images directly in Photo Explorer. Once you have all your desired images, easily rename the files and resequence them based on your own numbering scheme.

## Digital Camera Wizard

Getting images from a digital camera can be much faster and simpler if you use the **Digital Camera Wizard**. Use this tool to get images from a digital camera, or retrieve images from a flash memory card that's inserted in a memory card reader.

### To get images using the Digital Camera Wizard:

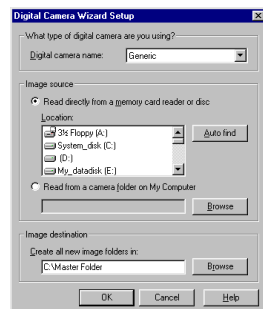
1. Select **File: Digital Camera Wizard**.
2. Click the **Configure** button to choose the input device.
3. Select the type of device from the **Digital camera name** list. (In most cases, you can just select the **Generic** option.)
4. In the **Image source** section, select the second option, **Read from a camera folder on My Computer**, to get images from a digital camera. Click the **Browse** button to locate the camera.

Otherwise, select the first option to get images from a card reader. Click the **Auto Find** button to automatically locate the card drive.

**Note:** Photo Explorer can read any flash memory card format that follows the JEIDA 'DCF' (Design rule for Camera File system).



Digital Camera Wizard dialog box



Digital Camera Wizard Setup dialog box

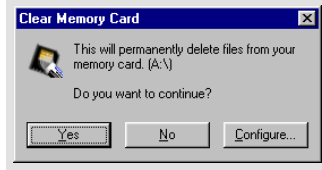


## Tip

- Specify a single master folder in the **Image destination** section for storing images. Then, click **OK** to return to the Digital Camera Wizard dialog box.
- Each time you transfer images to your computer, you can save them to a unique subfolder. To do so, choose the subfolder you want to use in the **Transfer Images to** section. For instance, if you want the subfolder names to show the specific date when the images were transferred, you can select the **Create a new subfolder based on date and time** option.
- Click the **Start** button to transfer images.

### File: Clear Memory Card

deletes images under a specific folder in your digital camera or removes everything in your memory card drive. Click the **Configure** button to open the Digital Camera Wizard Setup dialog box and select the source device in which to delete images.

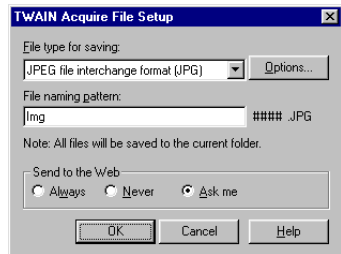


## Getting images from a TWAIN device

Most scanners and digital cameras come with TWAIN software that allows transfer of images to your computer. Make sure that the TWAIN software for your device has already been installed before you start getting images.

### To get images using the TWAIN software:

- Create a new folder for saving the images.
- Select **File: TWAIN Acquire - Select Source** and choose your scanner or digital camera.
- Select **File: TWAIN Acquire - File Setup**.
- Select a **File type**. (To have smaller and compressed files, choose JPEG.)
- In the **File naming pattern** box, enter a file name. Each image will be prefixed with this name followed by a counter (e.g. Img0001, Img0002, etc.)
- Click **File: TWAIN Acquire - Acquire Now** to start getting images.



## Tip

Photo Explorer can upload images to Ulead's iMira Web site after transferring them to the computer. Just select the appropriate option in the **Send to the Web** section of the Acquire File Setup dialog box to send your images to iMira.com.

In Photo Explorer, using **File: TWAIN Acquire** is recommended only for getting images from a scanner. For digital cameras, use **File: Digital Camera Wizard** instead. In most cases, JPEG images from a camera will be decompressed and resaved with some loss of image quality through TWAIN transfers. Also, Exif camera information embedded in the JPEG files will be lost. The Digital Camera Wizard can be used with many cameras to avoid the problems associated with TWAIN transfers.

**Note:** Photo Explorer offers WDM driver support for “push-model aware” scanners. Selected buttons on such scanners can be configured to carry out a list of commands. For example, pressing a button could automatically run Photo Explorer, get an image from a scanner, and save it to the active folder. Because Photo Explorer supports this technology, acquiring images is now even easier than before.


## Renaming and renumbering files


After getting images from a digital camera or scanner, you may want to change their file names or renumber their sequence. The **Tools: Auto Rename** command automatically changes the file names for you.

### To automatically rename your files:

1. Select the files to rename, then select **Tools: Auto Rename**.
2. By default, files can be renamed and numbered starting from one. Click the **Quick Rename** button to use this default.
3. Click **New** to define more criteria for renaming files.
4. Specify your renaming criteria by selecting one of the tabs in the Batch Operation dialog box. Click a tab to define settings, then click **OK**.
5. To set more conditions for renaming files, repeat steps 2 and 3.
6. Click **OK** in the Auto Rename dialog box to start the renaming process.

### Notes:

 You can work with only one criterion at a time in the Batch Operation dialog box. Once you have defined the settings for a criterion, click **OK**.

 The list in the Auto Rename dialog box shows all the file renaming criteria you have defined. The renaming process starts from the top criterion to the bottom.



Click the tabs in the Batch Operation dialog box to define criteria for renaming files:

- ☐ **Rename** -- Give your images brand new file names. Sequentially number the file names by adding a counter.
- ☐ **Renumber** -- Change the numbering scheme of file names.
- ☐ **Change Case** -- Convert file names to upper or lower case, etc.
- ☐ **Replace** -- Change some text in the file names.
- ☐ **Add** -- Extend file names by inserting additional text to the file names.
- ☐ **Crop** -- Make file names shorter by removing text from the file names.
- ☐ **Repad** -- Add one or more zeroes to a file name when the length of its numeric counter is inconsistent with other file names. (For example, if you have file names File001, File002 and File3, the last file name will be changed to File003.)

## Changing file sequence by drag-and-drop

If you want to change the sequence of certain files, you can manually rename and renumber them. An even simpler way is to drag the files to your desired locations in the same folder. When you drag a file to a different location, Photo Explorer renames the file automatically so that it sorts to the new position.

To resequence files by drag-and-drop, they should first be arranged by order of file name. If files do not appear in this order, a message box appears and prompts you to sort your files. The table below shows examples of how files are renumbered when you move them around in the same folder. In the “Sample result” column below, the second file name indicates the newly inserted file.

If....	Sample result
previous and next file names have equal number of counter digits...	File10, <b>File15</b> , File20 Or, File10, <b>File10a</b> , File11
previous file name has lesser number of counter digits than the next file name...	File2, <b>File21</b> , File22
previous file name has greater number of counter digits than the next file name...	File35, <b>File36</b> , File4 Or, File39, <b>File39a</b> , File4

**Note:** Select **Tools: Auto Rename** afterwards if you prefer to apply a more organized numbering scheme to your files.

# Viewing images

Get a larger, clearer look of your images. Display your images in Photo Explorer's built-in Viewer or the Ulead Instant Viewer.




## Using Photo Explorer's Viewer

If you want to display full-size images one at a time and edit them whenever necessary, use Photo Explorer's built-in Viewer to open your images. Double-click an image file to open it in the built-in Viewer. Selecting **View: Open Viewer** or clicking the **Open Viewer** button on the Browser toolbar also opens the file.

The built-in Viewer maintains a file list which it uses for stepping through images. Which particular image files the Viewer keeps in its list depends on how you selected the files:

- If you select a single image file in the Browser, the Viewer's file list will be set to the content of the current folder. You can then step through the images in the folder.

**Note:** To change to a different folder, you need to return to the Browser and select the desired folder. Press [Esc] or click the **Return** button  on the Viewer toolbar to switch back to the Browser.

- If you select multiple files to open, the Viewer's file list will contain the selected files. You will be able to step through those files only.
- When you select **File: Add to Viewer**, the built-in Viewer allows you to open an image file. With this command, you can choose several files from various folders to add to the Viewer's current file list.



## Using the Ulead Instant Viewer

**Ulead Instant Viewer** is very much like Photo Explorer's built-in Viewer, except that it allows image viewing only and does not provide any image editing tools. Use the Instant Viewer when you want to visually compare full-size images. A separate window opens to display each image.

To use Ulead Instant Viewer for displaying images:

- Select the image files first in the Browser, then select **View: Open in New Viewer** to display each image in a separate window.
- When an image file is opened, the Instant Viewer sets its file list to the content of the current folder and lets you step through the images in the folder. To change to a different folder, select **File: Open** and choose any file from the desired folder.
- Select **File: Add to Viewer** to open several image files from various folders and step through those images.

**Notes:**



*By default, Photo Explorer's built-in Viewer automatically opens when you double-click image files in the Browser. If you want the images to open in Ulead Instant Viewer as separate windows when you double-click them, select **File: Preferences - Viewer** and select the **Always open an image in a new viewer** option.*



*The Ulead Instant Viewer advances through images by order of their file names. If you associated image file formats with Photo Explorer when you installed the software, the Ulead Instant Viewer becomes the default image viewer.*

## Advancing through the images

When stepping through images, use keyboard shortcuts, the toolbar buttons or View menu commands to go from one image to another. Photo Explorer's built-in Viewer and the Ulead Instant Viewer both use the same viewing controls. Press [F1] in the Viewer to access the online help and learn more.

## Viewing digital photo information

If you have JPEG (Exif) images which you transferred from a digital camera, the camera settings used at the time when taking photos are stored in the JPEG files. Select **File: Photo Properties** to see a summary listing of camera settings, or select **File: File Properties - Camera Information (Exif)** to view the complete information. Whether you are a professional or novice photographer, having access to these information lets you understand more about your camera and allows you to take better photos.

Take note that the focal length setting (which measures the zoom setting for the camera lens) in digital cameras are different from conventional film cameras. The reason is, since the CCD (the device used to collect light) in the digital camera is much smaller than a film camera, all the lenses and their focal lengths are smaller, too.

To make it easier for people to understand the focal lengths of digital cameras, manufacturers often quote the camera lenses on a “35mm equivalent” scale since this is more widely understood by photographers. For any digital camera, there is a certain multiplication factor that converts to this scale. (For example, 5.55 is the conversion factor used by the Canon S10 digital camera.)

For most digital camera models, Photo Explorer can report the correct 35mm equivalent zoom length values automatically. It knows the correct conversion factors since these values are embedded in the program. As for cameras that cannot be identified automatically, Photo Explorer will show an asterisk beside the zoom value, for example, **Zoom (Focal length): 41mm (equiv.) \***. In these cases, you will need to enter the appropriate **Conversion factor** in the Preferences dialog box - **Camera and Exif** category. You must also clear the **Auto detect conversion factor where possible** option to disable auto detection and use the value you have entered.

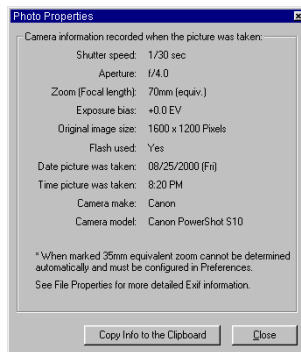
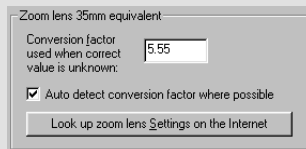


Photo Properties dialog box

## Tips



- ❑ Click the **Look up zoom lens Settings on the Internet** button to find the correct conversion factor to use with your camera from Ulead's Web site (for instance, for Sony camera models that cannot be identified automatically). If your camera is not listed, check the camera manufacturer's Web site for the proper value.
- ❑ If you prefer to see the true zoom lens values, enter 1.0 as a conversion factor.

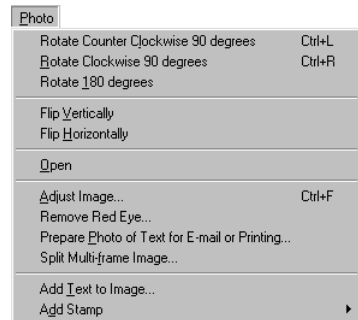
# Editing images

Images, especially those that came from a digital camera or scanner, often need some adjustments. Photo Explorer provides tools for you to do quick touch-ups to your images.

## Image editing tools

Photo Explorer has all the basic tools that can help you adjust your images. You can access these image editing tools from the **Photo** menu of the Browser and built-in Viewer (or by clicking the corresponding toolbar buttons).

- **Rotate** commands let you turn images left or right in a fixed 90 or 180 degree rotation.
- **Flip** commands create mirror images by turning them upside down (**Flip Vertically**) or inside out (**Flip Horizontally**).
- **Adjust Image** helps you correct and enhance images by fixing the color, removing unwanted areas, and more.
- **Remove Red Eye** removes the 'red eye' effect caused by camera flash.
- **Prepare Photo of Text for E-mail or Printing** enhances images containing text which were captured using a digital camera or scanner.
- **Split Multi-frame Image** retrieves each image contained in a multi-frame TIF or animated GIF file and saves them as individual files.
- **Add Text to Image** includes greetings and any text that you want on images.
- **Add Stamp** provides common captions which you can stamp onto images.



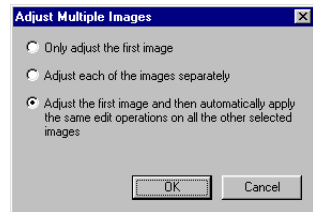
## Tips

- ❑ For more detailed image editing, select **File: Preferences - Image Editor** and add up to 3 image editing applications of your choice. Then, select one of the **Photo: Edit in** commands to edit images in your preferred image editor.
- ❑ Select **Tools: Convert Image Files** to transform images into other file formats.

## Adjusting images

Sometimes, images from a camera may appear too dark or their color did not come out right due to inadequate lighting conditions when taking them. Images may also appear crooked, especially when the camera was not held in the upright position. You can fix such basic problems by selecting **Photo: Adjust Image**.

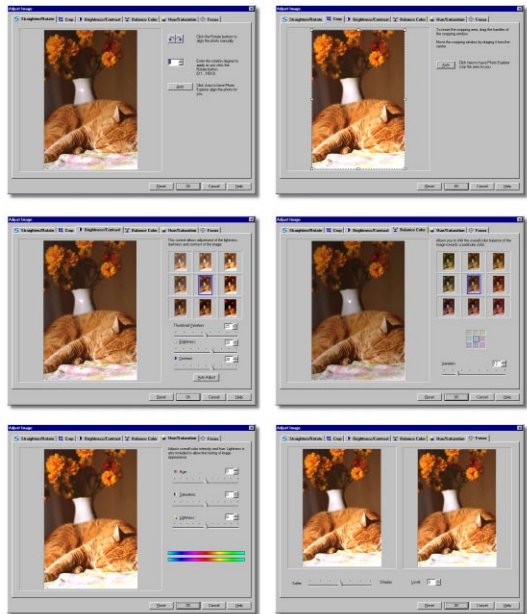
What's special about Photo Explorer is that image adjustments can be applied to multiple selected images. When making adjustments to several image files, you can choose to edit them one file at a time or apply the same adjustments to all the selected images.



*Adjust Multiple Images dialog box*

Click the following tabs in the Adjust Image dialog box to make your adjustments:

- **Straighten & Rotate** adjusts an image that is slanted and makes it straight.
- **Crop** cuts out unnecessary parts from an image.
- **Brightness & Contrast** makes an image look lighter or darker.
- **Balance Color** adjusts the existing colors in an image to make it look more accurate or to change the overall tone of the image.
- **Hue & Saturation** shifts colors to come up with a different range of colors for the image and also adjusts the intensity (or strength) of the colors.
- **Focus** makes an image look sharper or more blurry.



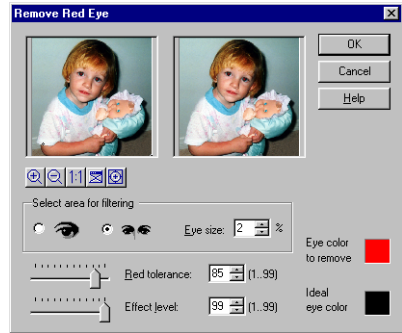
*Adjust Image dialog box*



## Removing red eye

After taking photos with a camera flash, you sometimes see a red-eye effect on the images. If you have such images, Photo Explorer can quickly correct this problem.

Select **Photo: Remove Red Eye** to remove the red-eye effect from an image. You can either decrease the level of red, or replace it with a more natural color. Click the Help button in the Remove Red Eye dialog box for more information.

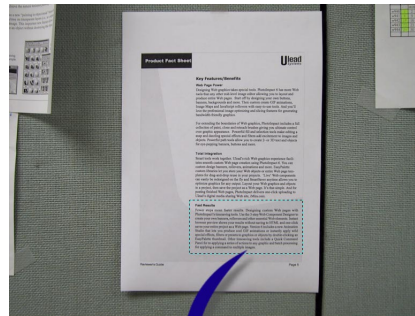


Remove Red Eye dialog box

## Enhancing images that contain text

If you have some digital camera photographs of meeting room whiteboards and paper documents, the image may appear to have an uneven grayish background color. Select **Photo: Prepare Photo of Text for E-mail or Printing** to adjust the contrast level and clear the background to white. A higher contrast level will make the text in the image look darker and more distinct.

**Note:** Select the **Create white background only** option in the dialog box if you intend to print the images. For sending by e-mail, select the other options to convert the images to black and white file formats (similar to fax documents) and come up with even smaller file sizes.



### Fast Results

Fewer steps mean faster results. Designing custom Web pages with PhotoImpact's timesaving tools. Use the 3-step Web Component Designer to create your own banners, rollovers and other essential Web elements. Instant browser preview shows your results without saving to HTML and one-click saves your entire project as a Web page. Version 6 includes a new Animation Studio that lets you produce cool GIF animations or instantly apply wild special effects, filters or presets to graphics or objects by double-clicking an EasyPalette thumbnail. Other timesaving tools include a Quick Command Panel for re-applying a series of actions to any graphic and batch processing for applying a command to multiple images.

Sample result

# Printing

Once you are satisfied with your images, it's time to print them out. Photo Explorer offers a variety of formats for printing images.

## Fun prints you can create

With a variety of layouts and printing options available, creating prints with your images can be much fun in Photo Explorer. Select **File: Print** to choose the type of output that you want. The different types of output you can have in Photo Explorer include the following:

### Photo prints

Print images on paper, or create actual photo prints with a photo printer. Choose to print images in actual or custom sizes, or print them in standard sizes (3.5", 4", 5", 6", 8", or 2" wallet size).

### Thumbnail prints

Print a complete catalog of all the images in a folder by printing them as thumbnails. Specify how many thumbnails to print per row and column on a page, and choose the information to print with the thumbnails.

### Cards

Print a half fold or quarter fold greeting card using your image.



Select **Photo: Add Text to Image** to add your own text greetings on an image.

### Special Layouts

Print varying sized images at the same time. Choose from the available image size combinations.

**Note:** Photo Explorer lets you upload images and order photo prints on the Web. See "Ordering photo prints online" on page 35 for details.



Sample print out of thumbnails



Half-fold greeting card

# Working with video

Sending video greetings or fun videos by e-mail can be entertaining for your distant family and friends. With Photo Explorer, capture short video clips, trim them or transform them into smaller-size file formats, and then send them by e-mail. You can also capture a single image or a series of snapshots from video.

## Capturing and trimming video

If you have a PC camera or camcorder, you can connect it to your computer and use Photo Explorer to capture video clips into your computer hard drive. After capturing, trim the video clip, if necessary, by cutting out the beginning or end part of the clip.

### Notes:



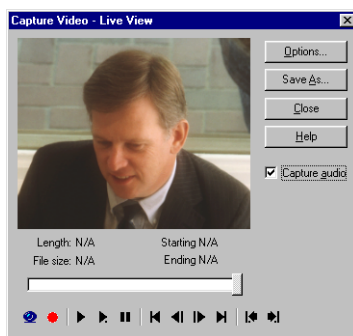
*If you are using a DV camcorder, you need to have an IEEE-1394 capture card installed in your computer. Analog video cameras also require the use of a video capture card. Make sure that the capture card driver has been properly installed before you start capturing.*



*Use a capture card that supports the DirectShow driver.*

### To capture a video clip:

1. Connect your video camera and turn it on.
2. Select **Video: Capture Video**. You will see live video from the camera on your screen.
3. Click the **Options** button. Then, specify how you want video to be captured:
  - **Frame rate** -- Enter the number of scenes or “frames” to capture per second. A high frame rate (30 fps) provides more natural motion, while a low frame rate may result in a more “jerky” effect.



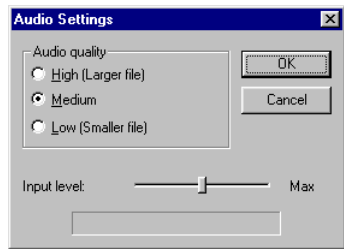
Capture Video dialog box



Capturing at 15 fps should be good enough to have a continuous motion video, especially when the video dimensions are small.

- **Frame size** -- Select the desired video dimensions. 320 x 240 is typical. Smaller sizes are good for use on the Web or for sending by e-mail.
4. Select the **Capture audio** option to capture both video and sound. Click the **Audio Format** button to choose sound quality.
  5. Click the **Record** button to capture.
  6. Click the **Save** button to save the captured clip as an \*.AVI video file.
  7. Click the **Live** button to change back to the live video display.

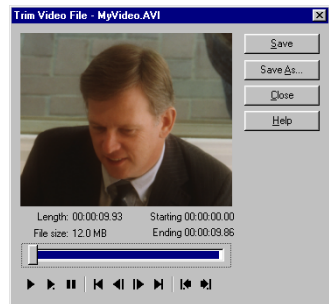
To trim video, you can either do it before saving the captured clip or after saving it to a video file. If you already saved the video file, select **Video: Trim Video File**. Then, drag the slider below the video window to select the points where you want the video to start and end. Click the **Set mark in** and **Set mark out** buttons to mark the start and end points.



Audio Settings dialog box



**Note:** Select **Video: Convert Video File** or **Video: Convert and Send Video File** to save your video files into smaller-size file formats.



Trim Video dialog box



## Capturing snapshots from video

**Video: Capture Still Image** allows you to take snapshots from live video and save each as a separate image file. When capturing, you can choose:

- **Single Image Capture** -- This lets you capture one particular scene that you want.
- **Capture image sequence** -- This automatically captures one snapshot after every specified time. For instance, you can capture one image after every 10 seconds.

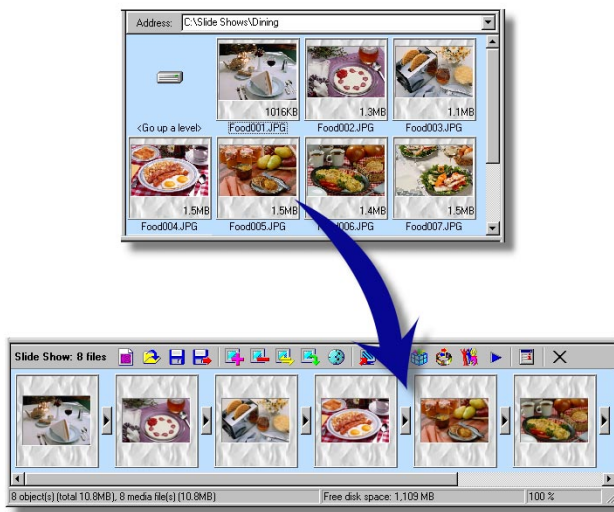
# Slide show and other cool stuff

In Photo Explorer, you can make fun projects using your multimedia files. Combine images, videos and sounds to create impressive slide shows. Decorate your Windows desktop by creating wallpapers and calendars using your favorite images. More so, make your own screen savers.

## Creating a slide show

Photo Explorer's **Slide Show Storyboard** is where you bring together images, videos and sounds, and plan out their sequence in the slide show.

The different multimedia files which you can play in a slide show include the following:




- **Image files** -- All image file types.
- **JPEG in Exif format** -- These are images from digital cameras. They contain Exif data which include details about the camera when the images were taken. Some JPEGs of this type may also contain sound annotations.
- **Video files** -- Popular video file formats such as AVI, MOV, and MPEG.
- **Sound files** -- WAV, AU, and MP3 files.

## Here's how to create a slide show:

1. Select **Tools: Slide Show** to open the **Slide Show Storyboard** and create a new project.
2. Select and drag the thumbnails of image, video, and sound files to the storyboard. You can drag thumbnails from different folders.
3. To change the sequence of thumbnails, just drag them to the desired position. If you want to play music while displaying images, place the sound file before the first image in the slide show sequence.
4. Click the **Slide Show Options** button to select a transition effect and other display options. Choose whether to run the slide show automatically or by manual control.
5. To have a self-running slide show, also enter the time delay for displaying images. (The time delay affects images only. Video and sound files play according to their actual clip duration.)
6. If you want each image to have a different time delay, select each image thumbnail and click the **Slide Properties** button. Then, set the time delay for the selected image.
7. Click **Save**. Next time you want to make changes, just open the \*.UES project file again in the Slide Show Storyboard.



## Tips

- ❑ Right-click on the Slide Show Storyboard to open a pop-up menu and access more commands.
- ❑ If you have Ulead Cool 360 software installed, click the **Stitch Panorama** button  on the storyboard toolbar to transform a series of images into a 360 degree or wide-angle panorama. Refer to the Cool 360 online help for more information.



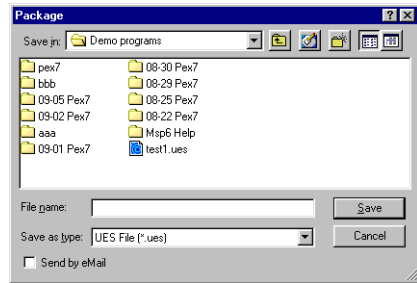
## Notes:

- ☞ When a sound file is followed by image files, Photo Explorer starts playing the sound and then advances to the succeeding images. The sound file continues to play until the next sound file comes up or a video file appears in the sequence.
- ☞ A \*.UES project file stores information such as file sequence, file names and their location, as well as slide show options. The actual image, video and sound files are not saved in the project.

The multimedia files which you selected to include in a slide show may have come from various folders. If you want to distribute your slide show on a CD-ROM, collect all the files and copy them to the same location first before you transfer them to a CD.


### To copy the slide show files to the same location:

1. Click the **Package** button on the storyboard toolbar.
2. Enter the slide show project file name (\*.UES). You can enter the same file name or specify another name.
3. Select the drive and folder where to copy the slide show project file and multimedia files into.
4. Click **OK** to copy the files to the specified location.




Package dialog box

**Tip**

Click the **Export** button  on the storyboard toolbar to output your project as a Web slide show. See “Creating slide shows for the Web” on page 36 for details.

## Viewing a slide show

View the slide show in full screen. After creating a project file in the Slide Show Storyboard, click the **Show** button  on the storyboard toolbar.

To manually run the slide show, use the mouse or keyboard shortcuts. You can also right-click on the screen to access commands from a pop-up menu.

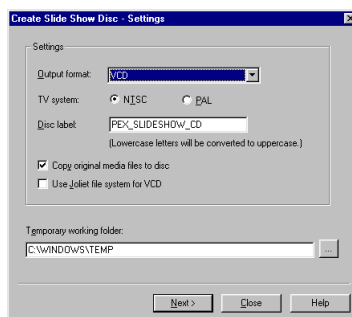
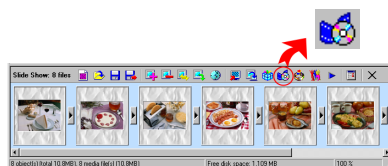
	Mouse control	Keyboard shortcut
Next Slide	Left-click	Space, PgDn, Right Arrow, Down Arrow
Previous Slide		PgUp, Left Arrow, Up Arrow
First Slide		Home
Last Slide		End
Black Screen		D
White Screen		W
Pause		P
End Show		ESC, X

## Creating a slide show disc

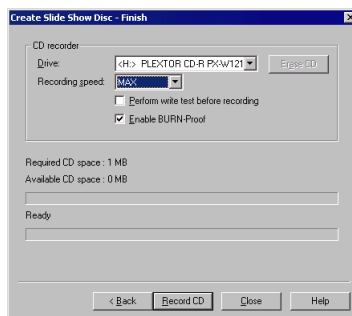
After composing your slide show, you can create a slide show disc using your disc burner.

### To burn a slide show disc:

1. Click **Create Slide Show Disc**. The **Create Slide Show Disc - Settings** dialog box appears.
2. The following options determine the target playback device for the slide show disc:
  - **Output format** -- Select the type of disc format for the slide show disc.
  - **TV system** -- Choose between NTSC or PAL, depending on which system the slide show disc is intended for playback.
3. Specify the **Disc label** to record on disc.
4. To have the original images, video and audio files that were used in the slide show copied onto the slide show disc, select **Copy original media files to disc**. (The **Joliet file system for VCD** option preserves long path and file names when burned to disc.)
5. Select a **Temporary working folder** where to save the disc image file created during the CD burning process.
6. Click **Next**. The **Create Slide Show Disc - Finish** dialog box then appears.
7. Select the CD burner and recording speed to use for burning the disc.
8. Finally, click **Record CD** to start burning the slide show disc.



Create Slide Show Disc - Settings dialog box



Create Slide Show Disc - Finish dialog box



## Other fun projects you can create

Photo Explorer allows you to create interesting projects for your desktop:

### Wallpaper

Use your favorite image as your Windows desktop wallpaper. Here's how:

1. Select an image file, then click **Tools: Wallpaper**.
2. Select **Enable wallpaper**.
3. Choose to display the image at the **Center** of the screen, or show several duplicates of it by specifying **Tile** options.



Sample wallpaper

### Calendar


Create a monthly calendar to remind you of important and special dates. To create one:

1. Select an image file, then click **Tools: Calendar**.
2. In the **Template** section, choose the orientation (portrait or landscape) for the calendar and select a template to use.
3. Select the **Month** and **Year** for the calendar. To add text, double-click the text box in the preview window and type in your text. Click the **Font** and **Color** button to choose font style and color.
4. Click the **Wallpaper** button to make the calendar as your Windows desktop wallpaper.



Sample calendar

### Screen Saver

Another interesting way of displaying images is through a screen saver. A screen saver is automatically activated whenever the computer has been inactive for a specified length of time. In Photo Explorer, you can use a slide show project as your screen saver. Click the **Screen Saver** button  on the storyboard toolbar to set a slide show to be the screen saver. (See page 29 to 31 for details.)

**Note:** To activate the wallpaper, calendar or screen saver which you created in Photo Explorer, right-click on your Windows desktop and select **Properties**. Then, select **Ulead Photo Explorer** in the Display Properties dialog box (or, restart your computer.)

# Working on the Internet

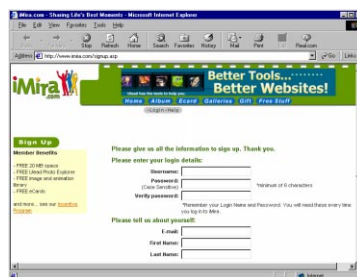
With Photo Explorer, you can share your images and multimedia files over the Internet. Upload images to **iMira.com**, order photo prints online, send files by e-mail, or include image collections and slide shows on your Web page. Photo Explorer also allows you to easily retrieve image, sound and video files from the Internet. Photo Explorer finds all your desired files from a selected Web site and quickly downloads them to your computer.

## Sharing images on iMira.com

Sign up as a member for free and share images on **Ulead's iMira.com** Web site.

**To sign up as a member at iMira.com:**

- If the **Sign up for Ulead's iMira** dialog box opens when you run Photo Explorer, click the **Sign up for new account** button.
- Select **Internet: Sign up for Web Service**.
- Or, select **Internet: Configure Web Connection**. In the **Account** tab, enter the user name and password you want to use and select an iMira.com site, then click the **Create New Account on iMira** button.



*iMira.com Sign-up Web page*

**To upload images to iMira.com:**

1. Click **Internet: Configure Web Connection**.
2. Click each tab in the dialog box to select appropriate settings for connecting to **iMira.com** and specify saving options for uploaded images.

**Note:** Exif data (such as sound) will not be included with JPEG files when uploaded.

**Tip**

To be able to choose which online photo album to use when uploading images, click the **Misc** tab and select the **Ask which album the images should be uploaded to** option.

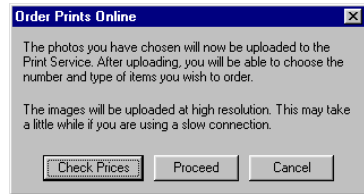
3. To upload images, click **Internet: Open Ulead Drop Spot Window** and then drag your image files to this window.
4. Specify which online photo album to upload images into.
5. After Photo Explorer finishes uploading your images, it will bring up your Web browser and take you directly to iMira.com.



Drop Spot window

## Ordering photo prints online

Aside from image sharing, iMira.com also provides photo printing services. To order photo prints, select the images you want to be printed and then select **Internet: Order Prints from iMira**. (Or, select **File: Print - Order Prints from iMira**.)



**Note:** You can also order photo prints from AGFAnet directly in Photo Explorer. AGFAnet is Agfa's Print Service Web site. Select the images you want to be printed, then select **Internet: Order Prints from AGFAnet**. Before you can actually post your orders, you need to download AGFAnet software and install it.

## Creating thumbnails for the Web

If you want to create your own image gallery and post it on the Internet, an easy way to do it is to use the **Internet: Output Web Thumbnails** command. This command generates simple Web pages in just a few minutes, complete with an index of thumbnails and pages for displaying images.

The basic steps for creating Web pages and thumbnails are given on the next page. For details on Web page layout options, click the **Help** button on the Web Page Output dialog box.

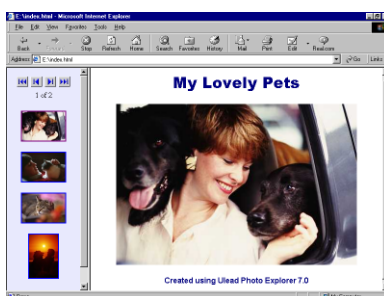
## Tips

### To create Web pages and thumbnails:

1. Place your image files into one folder.
2. Select the folder containing the images, and then select **Internet: Output Web Thumbnails**.
3. Design the layout of your Web page. Click each tab in the Web Page Output dialog box to select layout options and add background music.
4. Click **Preview** to view the results in a Web browser.
5. Click **OK** to generate the HTML files and thumbnail images.

**Note:** Web pages and thumbnail images are generated only in your hard disk drive. The files are not posted directly on the Internet.

- ☐ In the **Output Options** tab, choose to generate Web pages or create a single, self-extracting file ready to be sent by e-mail.
- ☐ In the **Thumbnail Page** tab, select **Use frames** to display the thumbnail page along with the source image.
- ☐ Click the **Save** button to save your Web page layout options for future use. To use them again, click the **Load** button.



Sample Web page with thumbnails

## Creating slide shows for the Web

Photo Explorer can instantly create impressive Web slide shows with smooth fade-ins and transition effects. Here's how:

1. Select **Tools: Slide Show** to create a slide show project.
2. Click the **Export** button on the storyboard toolbar.

### Notes:

See the section "Creating a slide show" on page 29 for details on how to create a slide show project.

For a Web slide show, do not add video and audio files to your slide show project. Add image files only.

## Tip

You can also click **Internet: Output Web Slide Show** to output selected image files into a Web slide show.

3. Click each tab (except for the Thumbnail Page tab) in the Web Page Output dialog box to select layout options and add background music.
4. When you are satisfied with the results, click **OK** to generate the HTML files (or a self-extracting EXE file).

**Note:** For details on Web page layout options, click the **Help** button on the Web Page Output dialog box.

## Scanning the Web for images

Photo Explorer makes it fast and easy to download files from the Web. It can scan an entire Web site and retrieve a bulk of files for you. If a Web page contains links, you can customize Photo Explorer to follow the links and go deeper into the Web site when searching for files to download.

Select **Internet: Scan Internet for Images** for downloading files. Photo Explorer guides you through the process in seven (7) easy steps:

1. Enter the **HTTP address** of the Web page from which to start the download. Specify how many **Levels** deep to search for files.
2. Specify the **file types** you want (images, videos and/or sounds).
3. Specify the **file size** you want to download, or choose to get all.
4. Choose to download all files, new files only, or get file updates.
5. In the **Address Range** section, choose which links to navigate into when searching for files to download.
6. Enter a valid user name and password if you are downloading from a password-protected Web site.
7. If your PC connects to the Internet through a proxy server, consult your network administrator for its appropriate settings.

### Address Range options:

- ☐ **Follow all links** Download files from all linked sites.
- ☐ **Same Web site** Download files only from pages within the selected Web site.
- ☐ **Starting point** Get files that are in the same directory location as the starting Web page. (e.g. If you chose to start downloading from 'www.sample.com/main/index.html' in Step 1, Photo Explorer gets files from 'www.sample.com/main'.)

**Note:** Some types of Web pages generated by active servers or CGI scripts cannot be scanned using this function.